

Anti-Mouse CD184-159Tb

Catalog: 3159030B

Package Size: 100 tests

Storage: Store product at 4°C. Do not freeze.

Reactivity: Mouse

Clone: L276F12

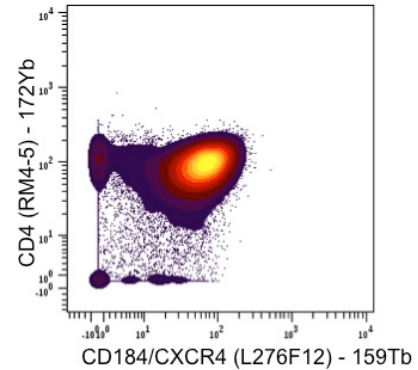
Isotype: Rat IgG2b

Formulation: Antibody stabilizer with 0.05% Sodium Azide

Technical Information

Validation: Each lot of conjugated antibody is quality control tested by CyTOF[®] analysis of stained cells using the appropriate positive and negative cell staining and/or activation controls.

Recommended Usage: The suggested use is 1 µl for up to 3 X 10⁶ live cells in 100 µl. It is recommended that the antibody be titrated for optimal performance for each of the desired applications.



Mouse thymocytes stained with 172Yb-anti-CD4 (RM4-5) and 159Tb- CD184/CXCR4 (L276F12). Total viable cells are displayed in the analysis.

Description

CD184, also known as CXCR4, is an alpha-chemokine receptor specific for stromal-derived-factor-1 (SDF-1). This surface protein has seven transmembrane regions. CXCR4 is one of the most important chemokine receptors that act as coreceptors for HIV entry into CD4+ Tcells. It is expressed widely in blood and several other tissues.

References

Bandura, D. R., et al. Mass Cytometry: Technique for Real Time Single Cell Multitarget Immunoassay Based on Inductively Coupled Plasma Time-of-Flight Mass Spectrometry. *Analytical Chemistry* 81:6813-6822, 2009.

Ornatsky, O. I., et al. Highly Multiparametric Analysis by Mass Cytometry. *J Immunol Methods* 361 (1-2):1-20, 2010.

For technical support visit fluidigm.com/support

North America +1 650 266 6100 | Toll-free: +1 866 358 4354 in the US | support.northamerica@fluidigm.com **Europe** +33 1 60 92 42 40 | support.europe@fluidigm.com

China (excluding Hong Kong) +86 21 3255 8368 | techsupportchina@fluidigm.com **Japan** +81 3 3662 2150 | techsupportjapan@fluidigm.com

All other Asian countries +1 650 266 6100 | techsupportasia@fluidigm.com **Central and South America** +1 650 266 6100 | techsupportlatam@fluidigm.com

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